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streamer and cable and bird	53

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WEST[Help](#)[Logout](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Generate Collection](#)**Search Results - Record(s) 1 through 53 of 53 returned.**☐ 1. Document ID: US 6016286 A

Entry 1 of 53

File: USPT

Jan 18, 2000

US-PAT-NO: 6016286

DOCUMENT-IDENTIFIER: US 6016286 A

TITLE: Depth control device for an underwater cable

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Olivier; AndreW.	River Ridge	LA	N/A	N/A
Ragan; Bryant G.	Metairie	LA	N/A	N/A
Cronvich; James T.	Harahan	LA	N/A	N/A

US-CL-CURRENT: 367/17; 114/245, 118/110, 367/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☐ 2. Document ID: US 6011753 A

Entry 2 of 53

File: USPT

Jan 4, 2000

US-PAT-NO: 6011753

DOCUMENT-IDENTIFIER: US 6011753 A

TITLE: Control and monitoring of devices external to a marine seismic streamer

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chien; Loring C.	Katy	TX	N/A	N/A

US-CL-CURRENT: 367/21; 181/110, 367/76

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☐ 3. Document ID: US 6011752 A

Entry 3 of 53

File: USPT

Jan 4, 2000

US-PAT-NO: 6011752
DOCUMENT-IDENTIFIER: US 6011752 A

TITLE: Seismic streamer position control module
DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ambs; Loran D.	Fulshear	TX	N/A	N/A
Chambers; Ronald E.	Houston	TX	N/A	N/A

US-CL-CURRENT: 367/17; 114/242, 114/244

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMOC	Image
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☐ 4. Document ID: US 5978316 A

Entry 4 of 53

File: USPT

Nov 2, 1999

US-PAT-NO: 5978316
DOCUMENT-IDENTIFIER: US 5978316 A

TITLE: Marine seismic source
DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ambs; Loran D.	Fulshear	TX	N/A	N/A
Sallas; John J.	Plano	TX	N/A	N/A

US-CL-CURRENT: 367/134; 181/120, 367/117, 367/131, 367/87

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMOC	Image
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☐ 5. Document ID: US 5937782 A

Entry 5 of 53

File: USPT

Aug 17, 1999

US-PAT-NO: 5937782
DOCUMENT-IDENTIFIER: US 5937782 A

TITLE: Underwater device with a sacrificial latch mechanism
DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rau; Brien G.	Jefferson	LA	N/A	N/A

US-CL-CURRENT: 114/247; 114/245

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMOC	Image
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☐ 6. Document ID: US 5863440 A

Entry 6 of 53

File: USPT

Jan 26, 1999

US-PAT-NO: 5863440
DOCUMENT-IDENTIFIER: US 5863440 A

TITLE: Methods for ameliorating oil spills in marine and inland waters
DATE-ISSUED: January 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rink; Glenn R.	Scottsdale	AZ	N/A	N/A
Rosania; Robert L.	Bensalem	PA	N/A	N/A
Smith; David R.	Tucson	AZ	N/A	N/A
Johnson; Thomas C.	Scottsdale	AZ	N/A	N/A
Hegeman; Jan R.	Seattle	WA	N/A	N/A
Allen; Peter A.	Calistoga	CA	N/A	N/A

US-CL-CURRENT: 210/693; 210/502.1, 210/923, 210/924, 210/925

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 7. Document ID: US 5790472 A

Entry 7 of 53

File: USPT

Aug 4, 1998

US-PAT-NO: 5790472
DOCUMENT-IDENTIFIER: US 5790472 A

TITLE: Adaptive control of marine seismic streamers
DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Workman; Ricky L.	Houston	TX	N/A	N/A
Chambers; Ronald Edward	Houston	TX	N/A	N/A

US-CL-CURRENT: 367/19; 367/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 8. Document ID: US 5777954 A

Entry 8 of 53

File: USPT

Jul 7, 1998

US-PAT-NO: 5777954
DOCUMENT-IDENTIFIER: US 5777954 A

TITLE: Hydrophone streamer having water-based fill fluid and method of manufacture thereof
DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hepp; John Stephen	Irving	TX	N/A	N/A

US-CL-CURRENT: 367/20; 174/101.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 9. Document ID: US 5745436 A

Entry 9 of 53

File: USPT

Apr 28, 1998

US-PAT-NO: 5745436

DOCUMENT-IDENTIFIER: US 5745436 A

TITLE: Semi-dry marine seismic streamer cable section

DATE-ISSUED: April 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bittleston; Simon Hastings	Slependen	N/A	N/A	NOX

US-CL-CURRENT: 367/20; 174/101.5, 367/154

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☐ 10. Document ID: US 5709964 A

Entry 10 of 53

File: USPT

Jan 20, 1998

US-PAT-NO: 5709964

DOCUMENT-IDENTIFIER: US 5709964 A

TITLE: Modular battery pack

DATE-ISSUED: January 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Christensen; Christian J.	Harahan	LA	N/A	N/A
Jain; Prabhat	New Orleans	LA	N/A	N/A

US-CL-CURRENT: 429/153; 429/157, 429/178, 429/99

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☐ 11. Document ID: US 5631874 A

Entry 11 of 53

File: USPT

May 20, 1997

US-PAT-NO: 5631874

DOCUMENT-IDENTIFIER: US 5631874 A

TITLE: Telemetry transmission protocol for towed hydrophone streamer

DATE-ISSUED: May 20, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mastin; Robert H.	Dallas	TX	N/A	N/A
Fletcher; Deane D.	Plano	TX	N/A	N/A
Hepp; John S.	Irving	TX	N/A	N/A

US-CL-CURRENT: 367/15; 340/870.02, 340/870.13, 367/134

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☐ 12. Document ID: US 5619474 A

Entry 12 of 53

File: USPT

Apr 8, 1997

US-PAT-NO: 5619474
DOCUMENT-IDENTIFIER: US 5619474 A

TITLE: Depth control apparatus
DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kuche; Hans-Walter	Sprockh ovel	N/A	N/A	DEX

US-CL-CURRENT: 367/17; 114/245, 114/332, 367/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 13. Document ID: US 5592437 A

Entry 13 of 53 File: USPT Jan 7, 1997

US-PAT-NO: 5592437
DOCUMENT-IDENTIFIER: US 5592437 A

TITLE: Data collection and relay circuit for towed hydrophone array
DATE-ISSUED: January 7, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Elliott; Bruce	Plano	TX	N/A	N/A

US-CL-CURRENT: 367/21; 340/521, 340/522, 340/825.08

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 14. Document ID: US 5583824 A

Entry 14 of 53 File: USPT Dec 10, 1996

US-PAT-NO: 5583824
DOCUMENT-IDENTIFIER: US 5583824 A

TITLE: Telemetry data transmission circuit having selectable clock source
DATE-ISSUED: December 10, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fletcher; Deane D.	Plano	TX	N/A	N/A

US-CL-CURRENT: 367/21; 367/79

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 15. Document ID: US 5579286 A

Entry 15 of 53 File: USPT Nov 26, 1996

US-PAT-NO: 5579286
DOCUMENT-IDENTIFIER: US 5579286 A

TITLE: Quiet geophysical construction practices for reduced diameter streamers
DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Skorheim; Robert D.	Dallas	TX	N/A	N/A

US-CL-CURRENT: 367/154

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Image
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☐ 16. Document ID: US 5577180 A

Entry 16 of 53 File: USPT Nov 19, 1996

US-PAT-NO: 5577180
DOCUMENT-IDENTIFIER: US 5577180 A

TITLE: Zone data streaming for 3-dimensional video environment
DATE-ISSUED: November 19, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reed; Lawrence P.	Palo Alto	CA	N/A	N/A

US-CL-CURRENT: 345/435; 345/302

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Image
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☐ 17. Document ID: US 5529011 A

Entry 17 of 53 File: USPT Jun 25, 1996

US-PAT-NO: 5529011
DOCUMENT-IDENTIFIER: US 5529011 A

TITLE: Connector for underwater cables
DATE-ISSUED: June 25, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Williams, Jr.; Oneil J.	Metairie	LA	N/A	N/A

US-CL-CURRENT: 114/245; 16/381, 24/327, 59/95

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Image
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☐ 18. Document ID: US 5523983 A

Entry 18 of 53 File: USPT Jun 4, 1996

US-PAT-NO: 5523983
DOCUMENT-IDENTIFIER: US 5523983 A

TITLE: Dual rope vibration isolation module for towed hydrophone streamer
DATE-ISSUED: June 4, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morningstar, deceased; Charles L.	late of Lewisville	TX	N/A	N/A
Gill; Tracy G.	The Colony	TX	N/A	N/A

US-CL-CURRENT: 367/154; 174/101.5, 367/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 19. Document ID: US 5513151 A

Entry 19 of 53 File: USPT Apr 30, 1996

US-PAT-NO: 5513151
DOCUMENT-IDENTIFIER: US 5513151 A

TITLE: Towed hydrophone streamer with integrated module coupler
DATE-ISSUED: April 30, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morningstar, deceased; Charles L.	late of Lewisville	TX	N/A	N/A
Andersen; James K.	Trophy Club	TX	N/A	N/A

US-CL-CURRENT: 367/154; 439/194

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 20. Document ID: US 5507243 A

Entry 20 of 53 File: USPT Apr 16, 1996

US-PAT-NO: 5507243
DOCUMENT-IDENTIFIER: US 5507243 A

TITLE: Connector for underwater cables
DATE-ISSUED: April 16, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Williams, Jr.; Oneil J.	Metairie	LA	N/A	N/A
Olivier; Andre W.	New Orleans	LA	N/A	N/A

US-CL-CURRENT: 114/245; 367/154

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 21. Document ID: US 5450369 A

Entry 21 of 53 File: USPT Sep 12, 1995

US-PAT-NO: 5450369
DOCUMENT-IDENTIFIER: US 5450369 A

TITLE: Telemetry transmission protocol for towed hydrophone streamer
DATE-ISSUED: September 12, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mastin; Robert H.	Dallas	TX	N/A	N/A
Fletcher; Deane D.	Plano	TX	N/A	N/A
Hepp; John S.	Irving	TX	N/A	N/A

US-CL-CURRENT: 367/21; 367/15, 367/60, 702/14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 22. Document ID: US 5412621 A

Entry 22 of 53

File: USPT

May 2, 1995

US-PAT-NO: 5412621
DOCUMENT-IDENTIFIER: US 5412621 A

TITLE: Encapsulated hydrophone element for towed hydrophone array
DATE-ISSUED: May 2, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hepp; John S.	Irving	TX	N/A	N/A

US-CL-CURRENT: 367/154; 29/594, 310/337, 310/340, 367/155, 367/159, 367/162,
367/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 23. Document ID: US 5408442 A

Entry 23 of 53

File: USPT

Apr 18, 1995

US-PAT-NO: 5408442
DOCUMENT-IDENTIFIER: US 5408442 A

TITLE: Hydrophone element with filter circuit
DATE-ISSUED: April 18, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hepp; John S.	Irving	TX	N/A	N/A

US-CL-CURRENT: 367/135; 367/901

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 24. Document ID: US 5404339 A

Entry 24 of 53

File: USPT

Apr 4, 1995

US-PAT-NO: 5404339
DOCUMENT-IDENTIFIER: US 5404339 A

TITLE: Retriever for a seismic streamer cable
DATE-ISSUED: April 4, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cole, Jr.; Jimmy R.	Houston	TX	N/A	N/A

US-CL-CURRENT: 367/16; 367/18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Image
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☐ 25. Document ID: US 5400298 A

Entry 25 of 53 File: USPT Mar 21, 1995

US-PAT-NO: 5400298
DOCUMENT-IDENTIFIER: US 5400298 A

TITLE: Towed hydrophone streamer with distributed electronics housings
DATE-ISSUED: March 21, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hepp; John S.	Irving	TX	N/A	N/A

US-CL-CURRENT: 367/20; 174/101.5, 367/154

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Image
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☐ 26. Document ID: US 5367499 A

Entry 26 of 53 File: USPT Nov 22, 1994

US-PAT-NO: 5367499
DOCUMENT-IDENTIFIER: US 5367499 A

TITLE: Vibration isolation module for towed hydrophone streamer
DATE-ISSUED: November 22, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morningstar; Charles L.	Lewisville	TX	N/A	N/A
Gill; Tracy G.	The Colony	TX	N/A	N/A

US-CL-CURRENT: 367/154; 174/101.5, 367/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Image
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☐ 27. Document ID: US 5284323 A

Entry 27 of 53 File: USPT Feb 8, 1994

US-PAT-NO: 5284323
DOCUMENT-IDENTIFIER: US 5284323 A

TITLE: Apparatus for marine seismic cable retrieval and deployment
DATE-ISSUED: February 8, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pawkett; James P.	Sheridan	TX	77475	N/A

US-CL-CURRENT: 254/134.3SC

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Image
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☐ 28. Document ID: US 5278804 A

Entry 28 of 53 File: USPT Jan 11, 1994

US-PAT-NO: 5278804
DOCUMENT-IDENTIFIER: US 5278804 A

TITLE: Device for weighting of streamer cables
DATE-ISSUED: January 11, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Halvorsen; Aage	League City	TX	N/A	N/A

US-CL-CURRENT: 367/18; 367/16, 405/171

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Image
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☐ 29. Document ID: US 5214612 A

Entry 29 of 53 File: USPT May 25, 1993

US-PAT-NO: 5214612
DOCUMENT-IDENTIFIER: US 5214612 A

TITLE: Swing plate latch mechanism
DATE-ISSUED: May 25, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Olivier; Andre W.	New Orleans	LA	N/A	N/A
Christensen; Christian J.	Harahan	LA	N/A	N/A

US-CL-CURRENT: 367/16; 114/245, 367/17, 367/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Image
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☐ 30. Document ID: US 5200930 A

Entry 30 of 53 File: USPT Apr 6, 1993

US-PAT-NO: 5200930
DOCUMENT-IDENTIFIER: US 5200930 A

TITLE: Two-wire multi-channel streamer communication system
DATE-ISSUED: April 6, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rouquette; Robert E.	Kenner	LA	N/A	N/A

US-CL-CURRENT: 367/76

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 31. Document ID: US 5199659 A

Entry 31 of 53 File: USPT Apr 6, 1993

US-PAT-NO: 5199659
DOCUMENT-IDENTIFIER: US 5199659 A

TITLE: Seismic cable retrieval apparatus and method
DATE-ISSUED: April 6, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zibilich, Jr.; Anthony M.	Mandeville	LA	N/A	N/A

US-CL-CURRENT: 242/470; 114/254, 254/134.3SC, 405/173

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 32. Document ID: US 5148406 A

Entry 32 of 53 File: USPT Sep 15, 1992

US-PAT-NO: 5148406
DOCUMENT-IDENTIFIER: US 5148406 A

TITLE: Method for simultaneous collection of seismic data from shallow and deep targets
DATE-ISSUED: September 15, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brink; Munday	Drammen	N/A	N/A	NOX
Gateman; Jan	Lysaker	N/A	N/A	NOX

US-CL-CURRENT: 367/22; 367/20, 367/49, 702/14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 33. Document ID: US 5076212 A

Entry 33 of 53 File: USPT Dec 31, 1991

US-PAT-NO: 5076212
DOCUMENT-IDENTIFIER: US 5076212 A

TITLE: Poultry agitation system
DATE-ISSUED: December 31, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thompson; I. Stephen	Jerusalem	AR	72080	N/A
Thompson; Bradley M.	Jerusalem	AR	72080	N/A

US-CL-CURRENT: 119/437; 119/51.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 34. Document ID: US 4953146 A

Entry 34 of 53 File: USPT Aug 28, 1990

US-PAT-NO: 4953146
DOCUMENT-IDENTIFIER: US 4953146 A

TITLE: Streamline seismic streamer-cable casing
DATE-ISSUED: August 28, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McMurry; Alan D.	Friendswood	TX	N/A	N/A

US-CL-CURRENT: 367/191; 367/154, 405/171

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 35. Document ID: US 4928262 A

Entry 35 of 53 File: USPT May 22, 1990

US-PAT-NO: 4928262
DOCUMENT-IDENTIFIER: US 4928262 A

TITLE: Marine seismic streamer retrieval system
DATE-ISSUED: May 22, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Neeley; Walter P.	Irving	TX	N/A	N/A
Ritter; Sammie F.	Roanoke	TX	N/A	N/A

US-CL-CURRENT: 367/106; 367/16, 367/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 36. Document ID: US 4912684 A

Entry 36 of 53 File: USPT Mar 27, 1990

US-PAT-NO: 4912684
DOCUMENT-IDENTIFIER: US 4912684 A

TITLE: Seismic streamer communication system
DATE-ISSUED: March 27, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fowler; John T.	Marblehead	MA	N/A	N/A

US-CL-CURRENT: 367/76; 367/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Image
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☐ 37. Document ID: US 4890568 A

Entry 37 of 53

File: USPT

Jan 2, 1990

US-PAT-NO: 4890568
DOCUMENT-IDENTIFIER: US 4890568 A

TITLE: Steerable tail buoy
DATE-ISSUED: January 2, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dolengowski; George A.	Bellaire	TX	N/A	N/A

US-CL-CURRENT: 114/246; 114/163, 114/253

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Image
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☐ 38. Document ID: US 4884249 A

Entry 38 of 53

File: USPT

Nov 28, 1989

US-PAT-NO: 4884249
DOCUMENT-IDENTIFIER: US 4884249 A

TITLE: Marine streamer for use in seismic surveys
DATE-ISSUED: November 28, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Snook; Clive T.	Oegstgeest	N/A	N/A	NLX

US-CL-CURRENT: 367/154; 114/253, 367/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Image
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☐ 39. Document ID: US 4781140 A

Entry 39 of 53

File: USPT

Nov 1, 1988

US-PAT-NO: 4781140
DOCUMENT-IDENTIFIER: US 4781140 A

TITLE: Apparatus for towing arrays of geophysical devices
DATE-ISSUED: November 1, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bell; Robert R.	Houston	TX	N/A	N/A
Schneider, Jr.; Louis I.	Houston	TX	N/A	N/A

US-CL-CURRENT: 114/244; 114/245, 367/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 40. Document ID: US 4745583 A

Entry 40 of 53 File: USPT May 17, 1988

US-PAT-NO: 4745583
DOCUMENT-IDENTIFIER: US 4745583 A

TITLE: Marine cable system with automatic buoyancy control
DATE-ISSUED: May 17, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Motal; Gary W.	Houston	TX	N/A	N/A

US-CL-CURRENT: 367/18; 114/245, 367/106, 367/130, 367/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 41. Document ID: US 4726315 A

Entry 41 of 53 File: USPT Feb 23, 1988

US-PAT-NO: 4726315
DOCUMENT-IDENTIFIER: US 4726315 A

TITLE: Apparatus for towing arrays of geophysical devices
DATE-ISSUED: February 23, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bell; Robert R.	Houston	TX	N/A	N/A
Schneider, Jr.; Louis I.	Houston	TX	N/A	N/A

US-CL-CURRENT: 114/244; 114/254, 367/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 42. Document ID: US 4711194 A

Entry 42 of 53 File: USPT Dec 8, 1987

US-PAT-NO: 4711194
DOCUMENT-IDENTIFIER: US 4711194 A

TITLE: Streamer interface adapter cable mounted leveler
DATE-ISSUED: December 8, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fowler; John T.	Marblehead	MA	N/A	N/A

US-CL-CURRENT: 114/245; 367/17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 43. Document ID: US 4656770 A

Entry 43 of 53 File: USPT Apr 14, 1987

US-PAT-NO: 4656770
DOCUMENT-IDENTIFIER: US 4656770 A

TITLE: Bird repelling means
DATE-ISSUED: April 14, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nuttall; David A.	Youngsville	NC	27596	N/A

US-CL-CURRENT: 43/2; 116/22A, 43/1, 446/178, 446/213

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 44. Document ID: US 4637000 A

Entry 44 of 53 File: USPT Jan 13, 1987

US-PAT-NO: 4637000
DOCUMENT-IDENTIFIER: US 4637000 A

TITLE: Depth transducer protective assembly
DATE-ISSUED: January 13, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thigpen; Ben B.	Houston	TX	N/A	N/A
Crump; E. Eugene	Houston	TX	N/A	N/A
Johnston; Otis A.	League City	TX	N/A	N/A
McPeck; Nathaniel K.	Anchorage	AK	N/A	N/A
McNeel; William O.	Houston	TX	N/A	N/A

US-CL-CURRENT: 367/172; 367/165, 367/167, 73/707

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 45. Document ID: US 4634804 A

Entry 45 of 53 File: USPT Jan 6, 1987

US-PAT-NO: 4634804
DOCUMENT-IDENTIFIER: US 4634804 A

TITLE: Streamer cable with protective sheaths for conductor bundle
DATE-ISSUED: January 6, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Spalding; Philip C.	League City	TX	N/A	N/A

US-CL-CURRENT: 174/24; 174/101.5, 174/136, 181/112, 367/15, 367/154

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 46. Document ID: US 4598660 A

Entry 46 of 53 File: USPT Jul 8, 1986

US-PAT-NO: 4598660
DOCUMENT-IDENTIFIER: US 4598660 A

TITLE: Bird scaring device
DATE-ISSUED: July 8, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Konzak; Peter	Devils Lake	ND	58301	N/A

US-CL-CURRENT: 116/22A; 116/23, 40/412, 446/180, 446/199, 446/310

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 47. Document ID: US 4573427 A

Entry 47 of 53 File: USPT Mar 4, 1986

US-PAT-NO: 4573427
DOCUMENT-IDENTIFIER: US 4573427 A

TITLE: Bird scaring device
DATE-ISSUED: March 4, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Konzak; Peter	Devils Lake	ND	58301	N/A

US-CL-CURRENT: 116/22A; 273/387, 40/412, 428/16, 446/180, 446/199, 446/310,
74/127

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 48. Document ID: US 4566083 A

Entry 48 of 53 File: USPT Jan 21, 1986

US-PAT-NO: 4566083
DOCUMENT-IDENTIFIER: US 4566083 A

TITLE: Seismic timing control system
DATE-ISSUED: January 21, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thigpen; Ben B.	Houston	TX	N/A	N/A

US-CL-CURRENT: 367/21; 367/23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 49. Document ID: US 4528650 A

Entry 49 of 53

File: USPT

Jul 9, 1985

US-PAT-NO: 4528650
DOCUMENT-IDENTIFIER: US 4528650 A

TITLE: Streamer cable multiplexing apparatus
DATE-ISSUED: July 9, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Howlett; Donald L.	Kingwood	TX	N/A	N/A
Meyer; Herbert J.	Bellaire	TX	N/A	N/A
Zimmer; Stanley F.	Houston	TX	N/A	N/A

US-CL-CURRENT: 367/79; 340/870.13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 50. Document ID: US 4314363 A

Entry 50 of 53

File: USPT

Feb 2, 1982

US-PAT-NO: 4314363
DOCUMENT-IDENTIFIER: US 4314363 A

TITLE: Marine seismic cable handler
DATE-ISSUED: February 2, 1982

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thigpen; Ben B.	Houston	TX	N/A	N/A
Hebert; Joel J.	Houston	TX	N/A	N/A

US-CL-CURRENT: 367/16; 114/244, 181/112, 367/106, 367/130

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 51. Document ID: US 4304194 A

Entry 51 of 53

File: USPT

Dec 8, 1981

US-PAT-NO: 4304194
DOCUMENT-IDENTIFIER: US 4304194 A

TITLE: Automatic poultry growth stimulator system
DATE-ISSUED: December 8, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boykin, II; Herman N.	Batesville	AR	N/A	N/A
Moore; Covie R.	Batesville	AR	N/A	N/A

US-CL-CURRENT: 119/51.04

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 52. Document ID: US 4112335 A

Entry 52 of 53

File: USPT

Sep 5, 1978

US-PAT-NO: 4112335
DOCUMENT-IDENTIFIER: US 4112335 A

TITLE: Rapid pulse ultraviolet light apparatus
DATE-ISSUED: September 5, 1978

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gonser; Donald I.	York	PA	N/A	N/A

US-CL-CURRENT: 315/241R; 250/504H, 313/111, 313/570

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 53. Document ID: US 4027616 A

Entry 53 of 53

File: USPT

Jun 7, 1977

US-PAT-NO: 4027616
DOCUMENT-IDENTIFIER: US 4027616 A

TITLE: Protection means for depth control device
DATE-ISSUED: June 7, 1977

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guenther; Robert O.	Irving	TX	N/A	N/A
Huffhines; Donald F.	Richardson	TX	N/A	N/A
Krall; James W.	Irving	TX	N/A	N/A
Ray; Charles D.	Dallas	TX	N/A	N/A

US-CL-CURRENT: 114/244; 367/17, 367/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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